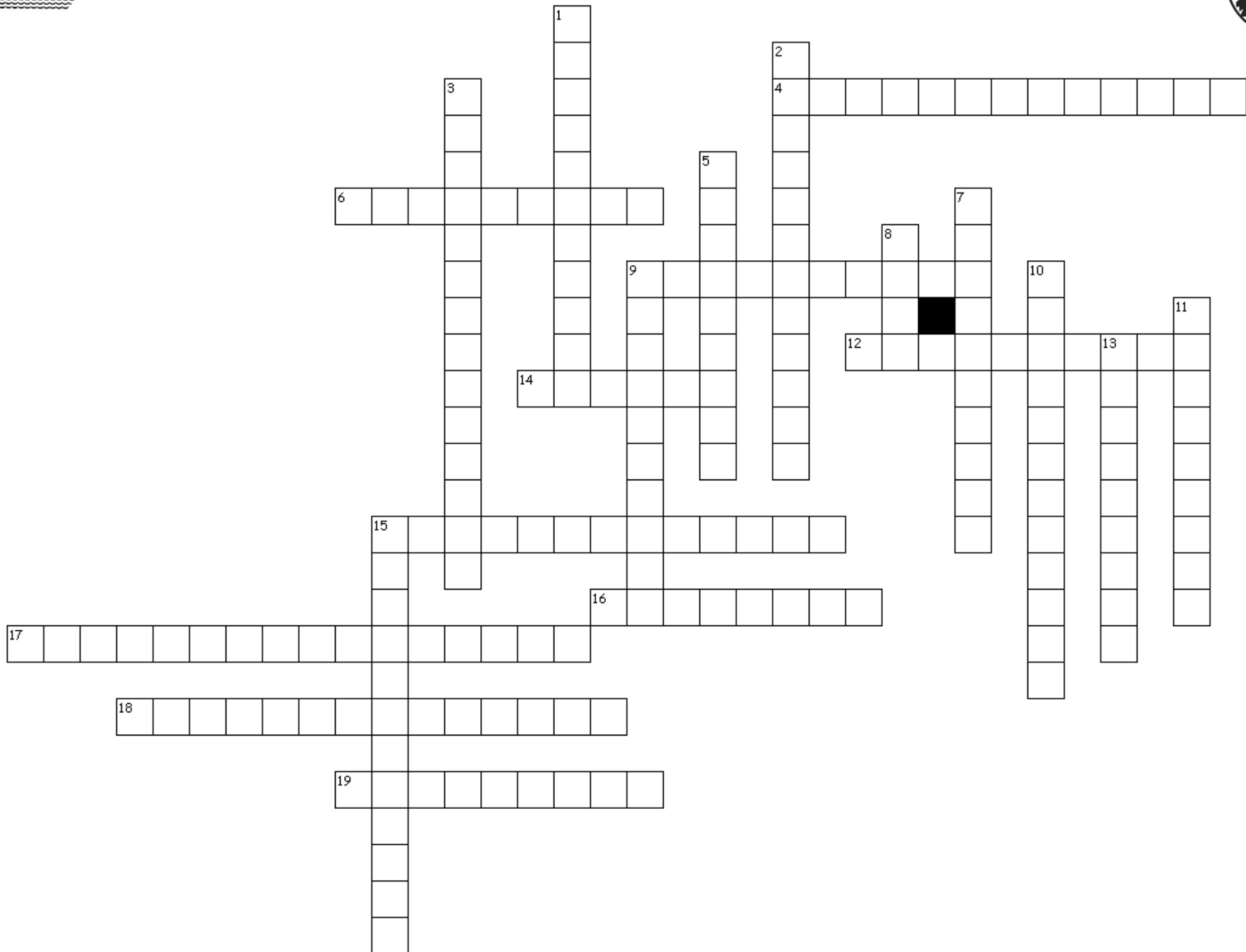




Salt Marsh Restoration and Monitoring Crossword Puzzle



Words in this Puzzle:

Abundance, Evaluation Area, Fill, Grid Ditching, Hydrology, Indicator, Monitoring, Multimeter, Nekton, Parameter, Plot Sample, Qualitative, Quantitative, Reference, Refractometer, Salinity Regime, Salinity Well, Sample Station, Tidal Restriction, Transect, Vegetation,

Across:

4. A device used to measure salinity (or the concentrations of certain dissolved minerals). Prisms send light through a very small water sample and the bend of the light is consistent with the concentration (amount) of salts.
6. An attribute or measure that is strongly suggestive of the condition or direction of an ecological system.
9. Periodic or continuous survey or sampling to determine the status or condition systems including water bodies, groups of plants and animals, or ecological systems.
12. A field sample technique that gathers information from an area enclosed within the dimensions set by a frame of a standard size.
14. Any organisms that actively swim in the water column.
15. A specific location within the salt marsh site selected to conduct field sampling.
16. A method for environmental sample or survey using a straight line to delineate the area of analysis.
17. A structure or landform that restricts natural tidal flow, such as a culvert, bridge, dam, or causeway.
18. A comparable and representative portion of a reference or study salt marsh.
19. The [study of] water of the earth, its occurrences, distribution, and circulation with particular emphasis on the chemistry and movement of water.

Down:

1. Involving distinctions based on standards, traits, or value.
2. Historic ditching of a salt marsh that results in draining the marsh of open water pools and pannes, decreasing biodiversity, and increasing mosquito breeding
3. The measured, normal fluctuations in salinity over tidal and seasonal cycles.
5. The amount (by count, weight, or other measure) of a given group in a given area. Generally, abundance refers to the number of individuals of a species (genus, family) within an area of survey.
7. Plants that inhabit the marsh including grasses, flowering plants, succulents, rushes, sedges, and shrubs.
8. Dredge spoils or other type of earth placed on a marsh altering elevation, salinity, and vegetation
9. A device used to measure water quality (such as temperature, dissolved oxygen, salinity, turbidity) in the open water portion of a salt marsh.
10. Expressible as, or relating to, a measurable value.
11. A marsh that exhibits a typical “minimally disturbed” condition, or maximum functional capacity; and represents other marshes in a specific region sharing the same water regime, topographic setting, and climate zone.
13. A measurable property whose value determines characteristics of an ecosystem (e.g. salinity is a measurable attribute of estuarine waters).
15. A well placed within the root zone of the plants to measure soil salinity